

CLAIMS

[CLAIM 1]

A loudspeaker comprising:
a magnetic circuit having an annular magnetic gap;
5 a frame coupled to the magnetic circuit;
a voice coil movably fitted into the magnetic gap; and
a diaphragm coupled to the frame at its periphery via a first edge,
wherein a suspension holder extending downward from a middle
portion between an inner periphery and an outer periphery on a rear surface of
10 the diaphragm is integrated with the diaphragm; and
the periphery of the suspension holder is coupled to the frame via a
second edge that is symmetric and similar to the first edge.

[CLAIM 2]

15 The loudspeaker according to claim 1, wherein the diaphragm is
formed of resin.

[CLAIM 3]

The loudspeaker according to claim 1, wherein the first edge and the
20 second edge are formed in a semicircular roll shape, respectively, and the roll of
the first edge extends downward and the roll of the second edge extends
upward.

[CLAIM 4]

25 The loudspeaker according to claim 1, wherein the first edge and the
second edge are formed in a semicircular roll shape, respectively, and the roll of
the first edge extends upward and the roll of the second edge extends

downward.

[CLAIM 5]

The loudspeaker according to claim 1, further comprising an engaging
5 portion for positioning a coupling portion in which the diaphragm and the
suspension holder are integrated with each other.

[CLAIM 6]

A method for manufacturing a loudspeaker comprising a magnetic
10 circuit having an annular magnetic gap; a frame coupled to the magnetic
circuit; a voice coil movably fitted into the magnetic gap; and a diaphragm
coupled to the frame at its periphery via a first edge, wherein a suspension
holder extending downward from a middle portion between an inner periphery
and an outer periphery on a rear surface of the diaphragm is integrated with
15 the diaphragm; and the periphery of the suspension holder is coupled to the
frame via a second edge that is symmetric and similar to the first edge,
the method comprising the steps of:
molding the diaphragm and the suspension holder with resin,
separately; and
20 coupling the molded diaphragm and the molded suspension holder so
as to be integrated with each other.

[CLAIM 7]

The method for manufacturing a loudspeaker according to claim 6,
25 wherein the resin-molded diaphragm and the resin-molded suspension holder
are integrated with each other by welding.